

II. AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of processing a request in a web application, the method comprising:

obtaining a request for information from an active window in the web application that requires authentication for retrieval of the information, wherein all windows in the web application ~~being~~ are arranged in a tree-type hierarchical structure;

automatically locating, ~~based on~~ in response to the request ~~for information~~, an ancestor window for the active window of the web application by traversing a hierarchy from the active window to the ancestor window, the ancestor window not currently displaying the login page and being at least one of a sufficient size or adaptable to become of the sufficient size to display an entirety of a login page to be simultaneously visible; and

displaying the login page in the ancestor window.

2. (Previously Presented) The method of claim 1, further comprising generating the request in the active window,

wherein every window in the web application includes a parent attribute that is used for the traversing of the hierarchy, the parent attribute indicating whether the window has a parent, and, if so, identifying the parent window.

3. (Original) The method of claim 1, further comprising closing the active window.
4. (Original) The method of claim 1, wherein the active window comprises a modal window.
5. (Original) The method of claim 1, wherein the ancestor window comprises a top level window.
6. (Currently Amended) A method of processing a request in a web application, the method comprising:
- receiving the request for information from a client from an active window in the web application, wherein all windows in the web application ~~being~~ are arranged in a tree-type hierarchical structure;
- determining that the request requires authentication for retrieval of the information; and
- providing a login page to the client, wherein the login page automatically ensures display in a top level window that is not currently displaying the login page and that is at least one of a sufficient size or adaptable to become of the sufficient size to display an entirety of a login page to be simultaneously visible.
7. (Original) The method of claim 6, further comprising:
- receiving login information from the login page; and
- authenticating the login information.
8. (Original) The method of claim 7, further comprising fulfilling the request when the login

information is successfully authenticated.

9. (Original) The method of claim 6, wherein the determining step includes determining that a request has not been fulfilled for a client for more than a time out period.

10. (Original) The method of claim 6, wherein the login page ensures display in a top level window using the following steps:

- locating an ancestor window for an active window for the web application; and
- displaying the login page in the ancestor window.

11. (Original) The method of claim 6, wherein the login page ensures display in a top level window using the following steps:

- determining that an ancestor window for an active window for the web application is closed;

- opening a new top level window; and

- displaying the login page in the new top level window.

12. (Currently Amended) A system for processing a request in a web application, the system comprising:

- a communication system for receiving the request for information from a client from an active window in the web application, wherein all windows in the web application ~~being~~ are arranged in a tree-type hierarchical structure;

a request system for determining whether the request requires authentication for retrieval of the information; and

a login system for automatically ensuring that a login page is displayed in a top level window for the web application that is not currently displaying the login page, the top level window being at least one of a sufficient size or adaptable to become of the sufficient size to display an entirety of a login page to be simultaneously visible.

13. (Original) The system of claim 12, further comprising:

an interface system for providing pages to the client; and

a display system for displaying the pages in hierarchical windows on the client.

14. (Original) The system of claim 13, wherein the request is generated in a child window, and wherein the display system opens a new top level window to display the login page.

15. (Original) The system of claim 13, wherein the request is generated from a child window, and wherein the display system displays the login page in an ancestor window of the child window.

16. (Original) The system of claim 12, wherein the login system further receives login information and authenticates the login information.

17. (Currently Amended) A program product stored on a recordable medium for processing a request in a web application, which when executed comprises:

program code for obtaining the request for information from an active window for the web application, wherein the request requires authentication for retrieval of the information, wherein all windows in the web application ~~being~~ are arranged in a tree-type hierarchical structure;

program code for locating a top level window for the web application by traversing a hierarchy from the active window to the top level window; and

program code for automatically displaying a login page in the top level window that is not currently displaying the login page, the top level window being at least one of a sufficient or adaptable to become of the sufficient size to display a login page to be simultaneously visible.

18. (Original) The program product of claim 17, wherein the program code for locating includes program code for determining that the active window is a child window.

19. (Original) The program product of claim 18, wherein the program code for locating further includes program code for locating an ancestor window for the active window.

20. (Original) The program product of claim 18, wherein the program code for locating further includes:

program code for determining that an ancestor window for the active window is closed;
and

program code for opening a new top level window.